



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200



646.3610
Job Sheet 166658

Part No: 646.3610

Job Qty: 10 ea

Part Name: Filler



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 10/13/17

Job Tracking No:

Due Date: 10/29/17 11/17

Created By: Mario Poulin

Type: Stock

Description:

Note: DWG REV N/C IPP REV:A NEW ISSUE 12-10-22 JLM VERIFIED:DD IPP REV B:NOW ON CNC 16.08.23
JLM VERIFIED BY:DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	10 Ea	10/28/17	10/28/17	0.00	0.00	Start up container		SK
105	Bandsaw	10 pcs	10/28/17	10/28/17	0.00	0.50	Bandsaw1		SK 1 DAS
110	CNC Vertical Machining	10 pcs	10/29/17	10/29/17	0.20	3.23	HAAS 1		SK 1 39
120	QC	10 pcs	10/29/17	10/29/17	0.00	0.00	QC2		SK v 9-89
130	QC	10 pcs	10/29/17	10/29/17	0.00	0.00	QC8		SK 17-11-4
140	Outsource	10 pcs	10/29/17	10/29/17			ATG001-VC		cm 17-11-24
150	Packaging	10 pcs	10/29/17	10/29/17	0.00	0.00	Packaging2		cm 17-11-24
155	QC	10 pcs	10/29/17	10/29/17	0.00	0.00	QC5		38
180	Packaging	10 pcs	10/29/17	10/29/17	0.00	0.00	Packaging3		9-89
190	QC21-SA	10 Ea	10/29/17	10/29/17	0.00	0.00	QC21		9-89

Part Op 105 - Cut blanks at 4.90"

Descriptions: 110 - 1-Machine per DWG AND FOLIO FB493 FOLIO REV: _____
140 - Issue P/O to ATG : _____ 1- Black Anodize as per Dwg 646.3600
180 - ***IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV***

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
90-Start up Operation	M6061T6B0.750X01.000	4	18	0	0

Part Specifications

Specifications could not be found.

Plex 10/30/17 2:23 PM dart.poulin.mario

DART
AEROSPACE
S005856

Dart Aerospace Ltd.

1270 Aberdeen Street
Hawkesbury, ON K64 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com



Filler

PART NO: 646.3610

Revision:

Operation: Start up Operation

Quantity: 10

Change No:

Mfg Date: 11/04/17

Job No: 166658



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Hawkesbury, ON
K6A 1K7
Canada

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Job Sheet 166658


Part No: 646.3610

Job Qty: 10 ea

Part Name: Filler



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 10/13/17

Job Tracking No:

Due Date: 10/29/17

Created By: Mario Poulin

Type: Stock

Description:

Note: DWG REV N/C IPP REV:A NEW ISSUE 12-10-22 JLM VERIFIED:DD IPP REV B:NOW ON CNC 16.08.23
JLM VERIFIED BY:DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Due Date	Standard		Workcenter/Supplier	
				Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time
90	Start up Operation	10 Ea	10/28/17	0.00	0.00	Start up container	
105	Bandsaw	10 pcs	10/28/17	0.00	0.50	Bandsaw1	
110	CNC Vertical Machining	10 pcs	10/29/17	0.20	3.23	HAAS 1	
120	QC	10 pcs	10/29/17	0.00	0.00	QC2	
130	QC	10 pcs	10/29/17	0.00	0.00	QC8	
140	Outsource	10 pcs	10/29/17			ATG001-VC	
150	Packaging	10 pcs	10/29/17	0.00	0.00	Packaging2	
155	QC	10 pcs	10/29/17	0.00	0.00	QC5	
180	Packaging	10 pcs	10/29/17	0.00	0.00	Packaging3	
190	QC21-SA	10 Ea	10/29/17	0.00	0.00	QC21	

Part Op 105 - Cut blanks at 4.90"

Descriptions: 110 - 1-Machine per DWG AND FOLIO FB493 FOLIO REV: _____
140 - Issue P/O to ATG : _____ 1- Black Anodize as per Dwg 646.3600
180 - ***IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV***

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
90-Start up Operation	M6061T6B0.750X01.000	4	19	0	0

Part Specifications

Specifications could not be found.

Plex 10/13/17 9:25 AM dart.poulin.mario

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

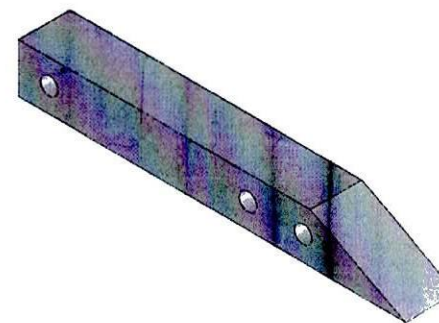
Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			Completed By
					Lead hand / Supervisor Approval Verification
					QC / QA Coordinator Approval
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

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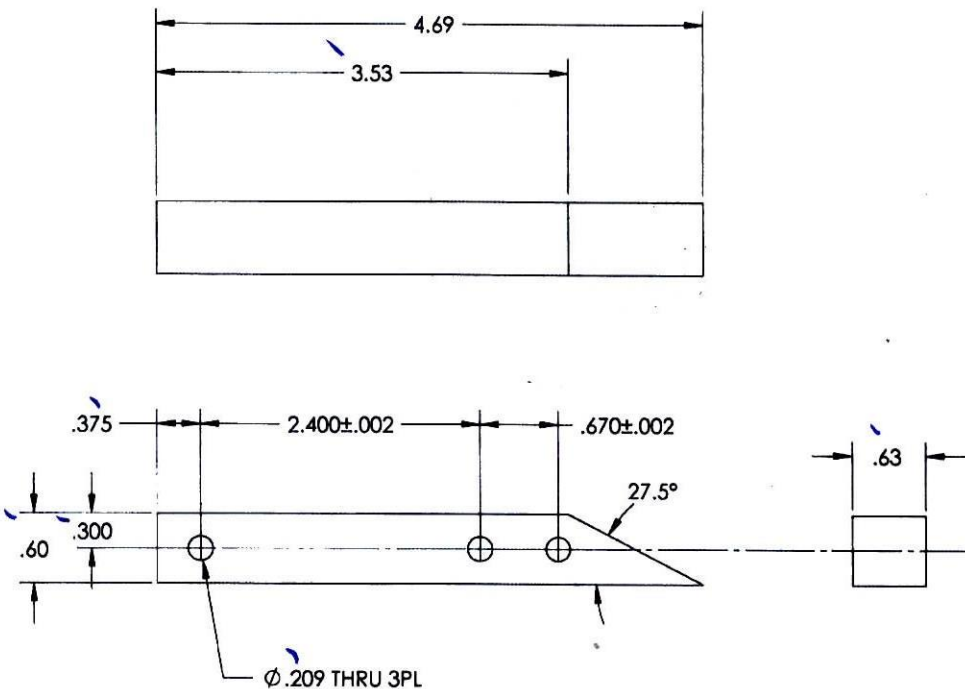
NOTES:

1. MATERIAL: ALUMINUM 6061-T651 PER AMS-QQ-A-250/11
2. FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III, CLASS 2, COLOR BLACK; CARDINAL 4860-50 PRETREATMENT PRIMER PRIME IAW MIL-P-23377J TYPE I CLASS N
3. DEBURR AND BREAK ALL SHARP EDGES
4. IDENTIFY IAW MPP-120



646.3610

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 166659 AD
OCT 30 2017



		646.3610	FILLER	△	△
	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
QTY	PARTS LIST				
NEXT ASSY (S)	APICAL INDUSTRIES				
646.4000	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300				
	ORIGINAL DATE INCHES-1/8" 1.5000	DATE OF REV 1.0000 P. BRAVO	FILLER		
	DRAWING APPROVAL DATE 08-06-08 CONTRACT NO.				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.010 3 PLACE DECIMALS ±.005 ANGLES ±.5°					
EST	CAGE CODE	DWG. NO.	REV.	SHEET 1 OF 1	
B	07M26	646.3600	N/C		
SCALE NONE					

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300

FILLER



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038349

Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalande, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO038349
PO Date: 11/14/17
Due Date: 11/17/17
**Purchase Order
Revision:**
Revision Date:
Ship-To Contact: Baker, Diane
Phone: dbaker@dartaero.com

Via: Ground
Pynt Terms: Net 30
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Rev	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	167956	649.5111	-	LH Wiper Deflector Issue P/O to ATG : AS PER DWG 649.5100 HARD BLACK ANODIZE/PRIME		Firmed	11/17/17	4 pcs	0 pcs	4 pcs	\$18.30/pcs	\$73.20
Line Item Note RUSH!!!!!!												
2	167957	649.5112	-	RH Wiper Deflector Issue P/O to ATG : AS PER DWG 649.5100 HARD BLACK ANODIZE/PRIME		Firmed	11/17/17	4 pcs	0 pcs	4 pcs	\$18.30/pcs	\$73.20
Line Item Note RUSH!!!!												
3	167199	646.9910	-	Struts Issue P/O to ATG : AS PER DWG 646.9900 HARD ANODIZE BLACK/PRIME		Firmed	11/17/17	55 pcs	0 pcs	55 pcs	\$15.40/pcs	\$847.00
4	166552	D4703-043	-	Lock Pin Base Issue P/O to ATG: As Per Dwg D4703 BLACK ANODIZE		Firmed	11/17/17	2 pcs	0 pcs	2 pcs	\$9.35/pcs	\$18.70
5	166817	D4824-1	-	Upper Cutter Mount Issue P/O: AS PER DWG D4824 HARD BLACK AMNODIZE/PRIME		Firmed	11/17/17	10 pcs	0 pcs	10 pcs	\$15.40/pcs	\$154.00
6	167390	RBEM210V4000103-3	-	Bolt -Issue P/O to ATG: AS PER DWG RBEM210V4000103 -ANODIZE COLOR CLEAR		Firmed	11/17/17	2 pcs	0 pcs	2 pcs	\$9.35/pcs	\$18.70
7	166865	649.4816	-	Doubler ISSUE P/O: AS PER DWG 649.4800 HARD BLACK ANODIZE/PRIME		Firmed	11/17/17	20 pcs	0 pcs	20 pcs	\$32.00/pcs	\$640.00
8	166658	646.3610	-			Firmed	11/17/17	10 pcs	0 pcs	10 pcs	\$8.60/pcs	\$86.00

DAS
38
9-89

10x 80 17-11-24



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Canada

Tel (613) 632-5200

PURCHASE ORDER PO038349

Items												
Line Item	Job	Part	Rev	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
9	166222	RBEM210V4000103-7	-	Filler Issue P/O to ATG : _____ as per Dwg 646.3600 HARD BLACK ANODIZE/PRIME		Firmed	11/17/17	1 pcs	0 pcs	1 pcs	\$9.35/pcs	\$9.35
10	166973	D4980-1	-	Special Washer -Issue P/O to ATG: _____ AS PER DWG RBEM210V4000103 - ANODIZE COLOR CLEAR		Firmed	11/17/17	8 pcs	0 pcs	8 pcs	\$8.25/pcs	\$66.00
11	166388	RBE703A94-1130-01-05	-	Doubler Issue P/O to ATG : _____ AS PER DWG 4980 HARD BLACK ANODIZE/PRIME		Firmed	11/17/17	2 pcs	0 pcs	2 pcs	\$9.35/pcs	\$18.70
12	167786	RBEM632V3009123-5	-	Fixture Handle -Issue P/O to ATG: _____ AS PER DWG RBE703A94-1130-01-05 ANODIZE COLOR CLEAR		Firmed	11/17/17	1 pcs	0 pcs	1 pcs	\$9.35/pcs	\$9.35
13	167500	RBW6205G26251-3G	-	Insert -Issue P/O to ATG: _____ AS PER DWG RBEM632V3009123-5, ANODIZE COLOR CLEAR		Firmed	11/17/17	1 pcs	0 pcs	1 pcs	\$9.35/pcs	\$9.35
14	167251	RBEM632V3009129-25	-	Spacer -Issue P/O to ATG: _____ AS PER DWG RBW6205G26251-3G, ANODIZE COLOR CLEAR		Firmed	11/17/17	2 pcs	0 pcs	2 pcs	\$9.35/pcs	\$18.70
15	167249	RBEM632V3009129-21	-	Tube -Issue P/O to ATG: _____ AS PER DWG RBEM632V3009129-25, ANODIZE COLOR CLEAR		Firmed	11/17/17	2 pcs	0 pcs	2 pcs	\$9.35/pcs	\$18.70
16	165405	RBEM632V3009126	-	Pin -Issue P/O to ATG: _____ AS PER DWG RBEM632V3009129-21, ANODIZE COLOR CLEAR		Firmed	11/17/17	1 pcs	0 pcs	1 pcs	\$9.35/pcs	\$9.35
17	166467	RBW6205G25831-3G	-	Seal Holder Extractor -Issue P/O to ATG: _____ AS PER DWG RBEM632V3009126, ANODIZE COLOR CLEAR		Firmed	11/17/17	1 pcs	0 pcs	1 pcs	\$9.35/pcs	\$9.35
18	166195	RBEM632V3009123-9	-	Puller Assembly, Lever -Issue P/O to ATG: _____ AS PER DWG RBW6205G25831-3G, ANODIZE COLOR CLEAR		Firmed	11/17/17	1 pcs	0 pcs	1 pcs	\$9.35/pcs	\$9.35
19	166117	RBEM632V3009126	-	Pin -Issue P/O to ATG: _____ AS PER DWG RBEM632V3009123,ANODIZE COLOR CLEAR		Firmed	11/17/17	1 pcs	0 pcs	1 pcs	\$9.35/pcs	\$9.35



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 914170

Date: 23-Nov-17

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Diane Baker
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
8 ea	Part: D4980-1 Doubler Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0001-.0002" (1 - 2 mils) per drawing. Job: 21976	Rev: C PO: PO038349	Line: 10
10 ea	Part: 646.3610 Filler Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Job: 21974	Rev: N/C PO: PO038349	Line: 8
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>23/11/17</u> Certified Signature: <u>[Signature]</u> Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt. Made in Canada.			